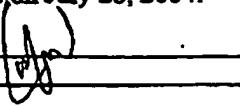


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OFFICIAL**CERTIFICATE OF FACSIMILE TRANSMISSION**

I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark Office on July 28, 2004.



 Christine Crawford - Assistant to Craig A. Ash
L305 0003
GNM/CAA/cc

Paper No.: _____

IN THE UNITED STATES PATENT & TRADEMARK OFFICEInventor(s): **WALTER, Bruno**Title: **ACOUSTIC FLOW PULSING APPARATUS AND METHOD FOR
DRILL STRING**Serial No.: **10/614258**Filed: **8 July 2003**Examiner: **Tsay, Frank**Art Unit: **3672**Date: **28 July 2004**

Mail Stop Amendment
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Dear Sir:

SUPPLEMENTAL AMENDMENT**Introductory Comments**

Supplemental to the Amendment filed on 21 July 2004, please amend this application as follows:

- Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.
- Remarks/Arguments begin on page 9 of this paper.

08/04/2004 EKEY11 00000002 021037 10614258

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- 1 -

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Christine Crawford - Assistant to Craig A. Ash

File No.:L305 0003
CAA/cc

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Transmitted herewith for filing in regard to the patent application of:

Inventor(s): WALTER, Bruno
Title: ACOUSTIC FLOW PULSING APPARATUS AND METHOD FOR DRILL
STRING
Serial No.: 10/614258
Filed: 8 July 2003
Examiner: TSAY, Frank
Date: July 28, 2004 Art Unit: 3672

Enclosed are:

- Supplemental Amendment.
 - The Commissioner is hereby authorized to charge the indicated fees (\$27.00) or credit over-payment, to Account No. 02-1037
 - The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment, to Deposit Account No. 02-1037.

CLAIMS AS AMENDED					
For	No. after amendment	No. paid for previously	Present Extra	Rate	Fee
Total Claims (>20)	23	21	4	\$18.00	\$.72.00
Indep. Claims (>3)	0	0	0	\$86.00	\$ 0.00
Multiple Dep. Claims	0	0	0	\$280.00	\$ 0.00
TOTAL FEES					\$ 72.00
<i>Reduction by 50% for filing by small entity (Note 37 CFR 1.27)</i>					\$ 36.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$ 36.00

PATENT APPLICATION FEE DETERMINATION RECORD
Effective January 1, 2003

Application or Docket Number

10614258

CLAIMS AS FILED - PART I

	(Column 1)	(Column 2)
TOTAL CLAIMS	19	
FOR	NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS	19 minus 20 = *	*
INDEPENDENT CLAIMS	2 minus 3 = *	
MULTIPLE DEPENDENT CLAIM PRESENT		<input type="checkbox"/>

* If the difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR
Total	* 21	Minus	** 20 = 1
Independent	* 4	Minus	*** 3 = 1
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			<input type="checkbox"/>

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR
Total	* 25	Minus	** 21 = 4
Independent	* 4	Minus	*** 4 = —
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			<input type="checkbox"/>

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR
Total	* —	Minus	** — = —
Independent	* —	Minus	*** — = —
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			<input type="checkbox"/>

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

SMALL ENTITY
TYPE OR OTHER THAN
SMALL ENTITY

RATE	Fee	RATE	Fee
BASIC FEE	375.00	OR BASIC FEE	750.00
X\$ 9=		OR X\$18=	
X42=		OR X84=	
+140=		OR +280=	
TOTAL	375	OR TOTAL	

OTHER THAN
SMALL ENTITY OR SMALL ENTITY

RATE	ADDITIONAL FEE	RATE	ADDITIONAL FEE
X\$ 9=	9 ⁰⁰	OR X\$18=	
X42=	43 ⁰⁰	OR X84=	
+140=		OR +280=	
TOTAL ADDIT. FEE	52 ⁰⁰	OR TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE	RATE	ADDITIONAL FEE
X\$ 9=	36 ⁶⁰	OR X\$18=	
X42=	—	OR X84=	
+140=		OR +280=	
TOTAL ADDIT. FEE		OR TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE	RATE	ADDITIONAL FEE
X\$ 9=		OR X\$18=	
X42=		OR X84=	
+140=		OR +280=	
TOTAL ADDIT. FEE		OR TOTAL ADDIT. FEE	